

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-10. (Canceled).

11. (Currently Amended) An isolated antibody which specifically binds to a polypeptide of ~~claim 1~~ SEQ ID NO:1.

12.-57. (Canceled).

58. (Previously Presented) The antibody of claim 11, wherein the antibody is:

- a) a chimeric antibody,
- b) a single chain antibody,
- c) a Fab fragment,
- d) a F(ab')₂ fragment, or
- e) a humanized antibody.

59. (Previously Presented) A composition comprising an antibody of claim 11 and an acceptable excipient.

60. (Withdrawn) A method of diagnosing a condition or disease associated with the expression of HCBP in a subject, comprising administering to said subject an effective amount of the composition of claim 59.

61. (Currently Amended) A composition of claim 59, ~~wherein the antibody is labeled~~ further comprising a label covalently or non-covalently attached to the antibody.

62. (Withdrawn) A method of diagnosing a condition or disease associated with the expression of HCBP in a subject, comprising administering to said subject an effective amount of the composition of claim 61.

63. (Currently Amended) A method of preparing a polyclonal antibody ~~with the specificity of the antibody of claim 11, which specifically binds to a polypeptide of SEQ ID NO:1~~, the method comprising:

- a) immunizing an animal with a polypeptide having an amino acid sequence of SEQ ID NO:1, or an immunogenic fragment ~~thereof~~ consisting of at least 14 contiguous amino acids of SEQ ID NO:1, under conditions to elicit an antibody response,
- b) isolating antibodies from said animal, and
- c) screening the isolated antibodies with the polypeptide, thereby identifying a polyclonal antibody which binds specifically to a polypeptide having an amino acid sequence of SEQ ID NO:1.

64. (Currently Amended) An antibody produced by a the method of claim 63.

65. (Previously Presented) A composition comprising the antibody of claim 64 and a suitable carrier.

66. (Currently Amended) A method of making a monoclonal antibody ~~with the specificity of the antibody of claim 11, which specifically binds to a polypeptide of SEQ ID NO:1~~, the method comprising:

- a) immunizing an animal with a polypeptide having an amino acid sequence of SEQ ID NO:1, or an immunogenic fragment ~~thereof~~ consisting of at least 14 contiguous amino acids of SEQ ID NO:1, under conditions to elicit an antibody response,
- b) isolating antibody producing cells from the animal,
- c) fusing the antibody producing cells with immortalized cells to form monoclonal antibody-producing hybridoma cells,
- d) culturing the hybridoma cells, and
- e) isolating from the culture monoclonal antibody which binds specifically to a polypeptide having an amino acid sequence of SEQ ID NO:1.

67. (Currently Amended) A monoclonal antibody produced by a the method of claim 66.

68. (Previously Presented) A composition comprising the antibody of claim 67 and a suitable carrier.

69. (Previously Presented) The antibody of claim 11, wherein the antibody is produced by screening a Fab expression library.

70. (Previously Presented) The antibody of claim 11, wherein the antibody is produced by screening a recombinant immunoglobulin library.

71. (Withdrawn) A method of detecting a polypeptide having an amino acid sequence of SEQ ID NO:1 in a sample, the method comprising:

- a) incubating the antibody of claim 11 with a sample under conditions to allow specific binding of the antibody and the polypeptide, and
- b) detecting specific binding, wherein specific binding indicates the presence of a polypeptide having an amino acid sequence of SEQ ID NO:1 in the sample.

72. (Withdrawn) A method of purifying a polypeptide having an amino acid sequence of SEQ ID NO:1 from a sample, the method comprising:

- a) incubating the antibody of claim 11 with a sample under conditions to allow specific binding of the antibody and the polypeptide, and
- b) separating the antibody from the sample and obtaining the purified polypeptide having an amino acid sequence of SEQ ID NO:1.